Title (en)

MIXING UNIT AND MIXER TAP COMPRISING SUCH A MIXING UNIT

Title (de)

MISCHEINHEIT UND MISCHARMATUR MIT SOLCH EINER MISCHEINHEIT

Title (fr)

UNITÉ DE MÉLANGE ET ROBINET MITIGEUR COMPRENANT UNE TELLE UNITÉ DE MÉLANGE

Publication

EP 3449333 A1 20190306 (FR)

Application

EP 17719249 A 20170425

Priority

- FR 1653676 A 20160426
- EP 2017059708 W 20170425

Abstract (en)

[origin: WO2017186665A1] The invention relates to a mixing unit (2) for a mixer tap (1) which has a generally cylindrical shape defining a main axis (X4) and comprising a first intake of a first incoming fluid stream having a first temperature, a second intake of a second incoming fluid stream (C1) having a second temperature (Te) higher than the first temperature, an output for an outgoing fluid (M3), means (13) for mixing the first and second incoming streams in order to form the outgoing stream, and thermostatic means which comprise a portion that is translatably movable along a sealing axis (X73). According to the invention, a plane (P71) orthogonal to the main axis (X4) and the sealing axis (X73) are secant, the sealing axis being tilted relative to said orthogonal plane, and passing through same, so that the mixing unit, while being easy to manufacture, is compact enough to adapt to most existing mixer taps.

IPC 8 full level

G05D 23/02 (2006.01); **F16K 11/078** (2006.01); **F16K 17/38** (2006.01); **G05D 23/13** (2006.01)

CPC (source: EP US)

E03C 1/02 (2013.01 - EP US); **F16K 11/0787** (2013.01 - EP US); **F16K 31/002** (2013.01 - EP US); **G05D 23/1353** (2013.01 - EP US); E03C 2001/026 (2013.01 - EP US)

Citation (search report)

See references of WO 2017186665A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

FR 3050510 A1 20171027; **FR 3050510 B1 20180921**; CN 109196443 A 20190111; CN 109196443 B 20210115; EP 3449333 A1 20190306; EP 3449333 B1 20201007; US 10817006 B2 20201027; US 2019138038 A1 20190509; WO 2017186665 A1 20171102

DOCDB simple family (application)

FR 1653676 A 20160426; CN 201780032082 A 20170425; EP 17719249 A 20170425; EP 2017059708 W 20170425; US 201716096691 A 20170425